

Focus Area Work Session


Monitoring and Maintenance

Weldon Spring Site
Interpretive Center
February 5, 2003



Agenda

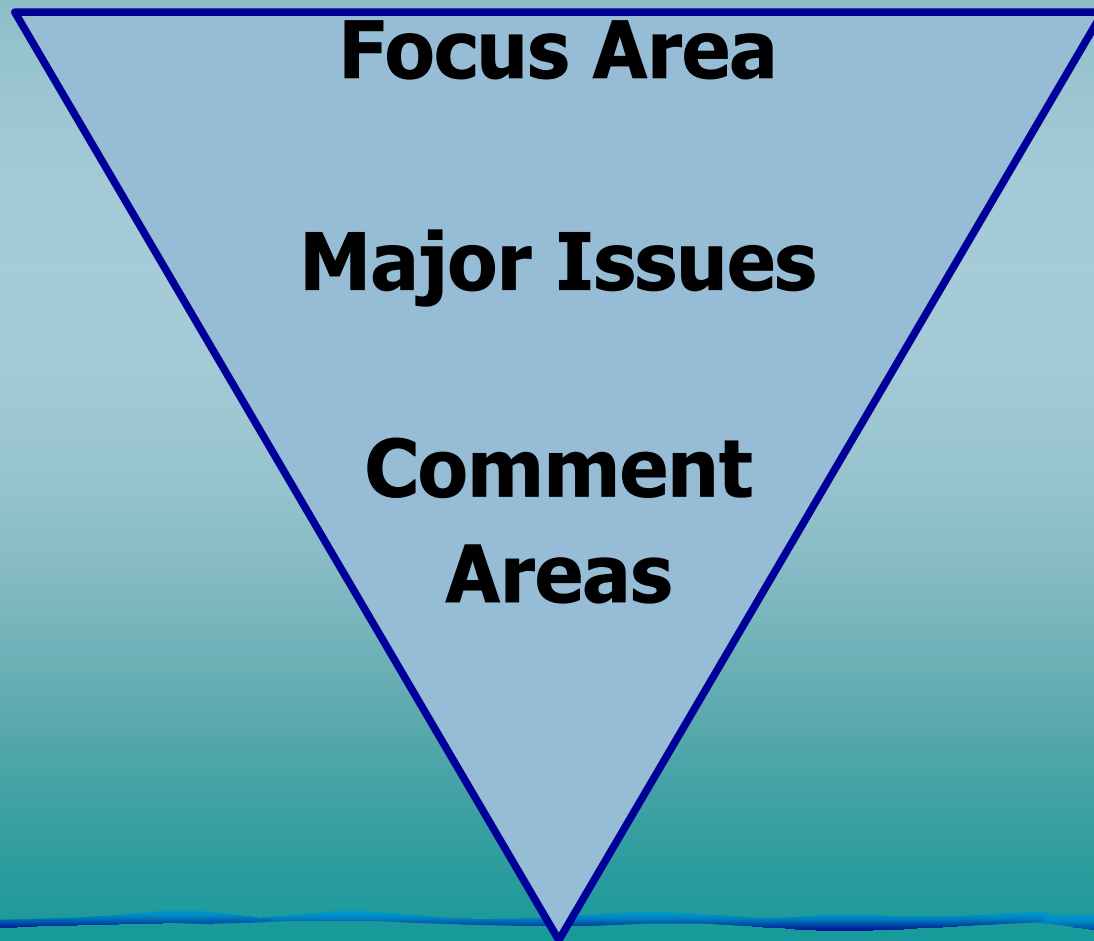
- 6:00 p.m. Demonstration of On-Line Document Retrieval and Geographic Information Systems
- 7:00 p.m. Welcome, Pam Thompson
Stewardship Program Reorganization, Dave Geiser
Objective of Work Session, Dave Geiser
Results of the December 5, 2002, Work Session;
Work Session Process, Ray Plienness
- 7:10 p.m. Major Issue 1: Monitoring and Operations
- Introduction
 - Monitoring Groundwater and Springs
 - Monitoring the Leachate Collection-and-Removal System
- 7:50 p.m. Ten-minute break



Agenda (continued)

- 8:00 p.m. Major Issue 2: Annual Site Inspections/Maintenance
- Introduction
 - Disposal Cell
 - Institutional Controls
 - 5-Year Reviews
- 8:40 p.m. Update on Weldon Spring Project
Remediation and Transition Activities and Schedule,
Pamela Thompson
- 8:50 p.m. Closing Comments, Ray Plienness and Dave Geiser
- 9:00 p.m. Adjourn

Weldon Spring Site Stewardship Work Session Discussion Plan





Weldon Spring Site Stewardship Work Session Discussion Plan

- Focus Area
 - DOE is hosting three Focus Area sessions
 - October 23, 2002: Communication and Public Participation
 - December 5, 2002: Land Use and Institutional Controls and Homeland Security
 - February 5, 2003: Monitoring and Maintenance



Weldon Spring Site Stewardship Work Session Discussion Plan

- Major Issues
 - Each Major Issue was developed as a means to capture most of the Focus Area comments and consolidate them into a few Major Issues to promote general understanding of concerns and to facilitate communication between DOE and the public on common themes



Weldon Spring Site Stewardship Work Session Discussion Plan

- **Comment Areas**
 - Each Comment Area describes significant comments in more detail under a Major Issue, which should allow resolution of the majority of comments without discussing individual comments

Major Issue 1: Monitoring and Operations

Comments relating to Monitoring and Operations:

A-54, 75, 109, 110, 125, 126, 128, 130, 131, 134, 135, 136, 137, 149, 155, 165, 170, 171, 174, 175, 176, 177, 179, 180, 181, 182, 183, 184, 186, 189, 190, 191, 193, 194, 196, 198, 203, 279, 280, 282; B-22, 33, 43, 44, 46, 47, 48, 49; F-13, 14, 15, 16; H-3, 24, 25, 26, 28, 29, 30; I-2; J-4, 5, 6, 8, 9, 10, 12, 14, 15, 18, 23, 53, 54, 59; K-14, 15, 20, 21, 22; L-56, 67, 72, 84, 89, 91, 92, 94, 95, 134, 135, 137, 138, 139, 140, 141, 143, 144, 145, 146, 147, 149, 150, 151, 152, 154, 155, 163, 166, 170, 171, 172, 173, 174, 178, 186



Major Issue 1 (continued)

- Comment Areas
 - How did DOE determine required monitoring locations, frequencies, and analytes?
 - What baseline values, background values, and standards will DOE use to compare monitoring results?
 - What plan will guide monitoring before the Long-Term Stewardship Plan is finalized?
 - What other agencies will conduct monitoring and for what purposes?
 - How will stakeholders obtain monitoring results and well information?
 - How will DOE use monitoring results?
 - How will DOE respond to unexpected or out-of-compliance monitoring results?
 - Can DOE revise monitoring requirements?

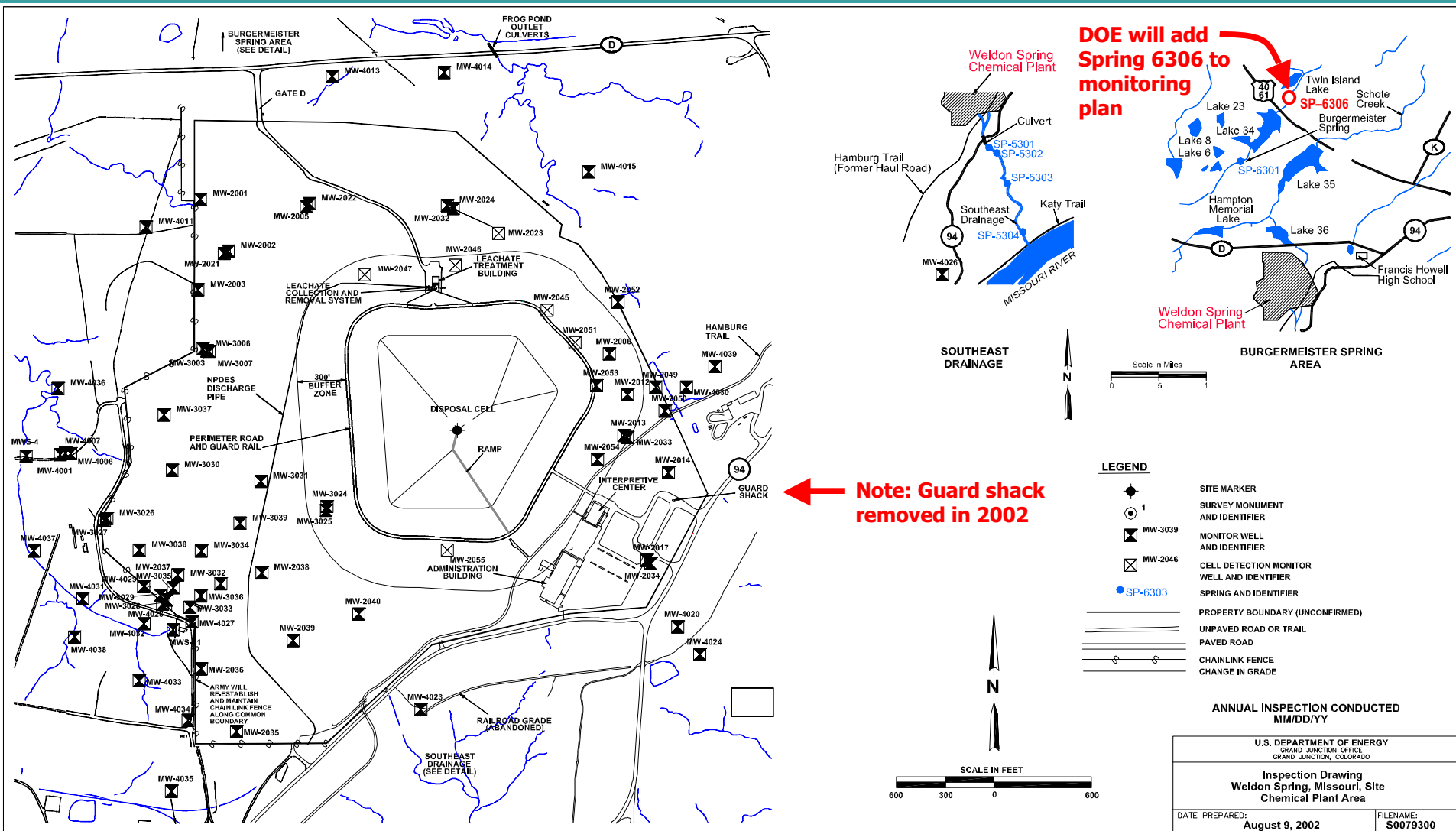


Major Issue 1 (continued)

Monitoring requirements at the Weldon Spring Site

- Environmental monitoring plan
 - Development of baseline data and current monitoring parameters
 - Tracking and trending of data
- Surface water, groundwater, and spring monitoring
 - Disposal cell
 - Former Chemical Plant area
 - Former quarry area
- GEMS on-line database

Note: This drawing was reproduced from the August 9, 2002, draft Long-Term Stewardship Plan



Inspection Base Map for the Chemical Plant Area of the Weldon Spring, Missouri, Site

Note: This drawing was reproduced from the August 9, 2002, draft Long-Term Stewardship Plan



Age Group	2006 (%)	2008 (%)
18-29	85	80
30-49	80	75
50-69	75	70
70+	70	65



Major Issue 1 (continued)

Operations: Leachate Collection-and-Removal System

- Purpose
 - Controlled pathway for leachate collection
- Components
 - Inside the cell
 - Outside the cell
- Operation
 - Flow monitoring and system maintenance
- Long-term issues
 - Changes in leachate quality and quantity
 - Information reporting

Major Issue 2: Annual Site Inspections/Maintenance

Comments relating to Annual Site Inspections/Maintenance:

A-138, 152, 156, 161, 163, 202, 204, 205, 234, 236, 237, 238, 239, 253, 255, 256, 260, 272; B-5, 32, 34, 35, 39, 40, 42, 50, 51; E-16, 21; H-12, 15, 17, 18; J-2, 3, 20, 22; K-18, 19, 23, 25; L-17, 19, 22, 23, 24, 27, 31, 102, 104, 108, 113, 116, 118, 119, 120, 121, 122, 123, 124, 125, 126, 129, 130, 132, 136, 142, 156, 158

Major Issue 2 (continued)

- Comment Areas
 - Will DOE conduct radon monitoring at the disposal cell?
 - What will be inspected annually, including anticipated changes to the disposal cell over time?
 - Are 5-year reviews appropriate and adequate?
 - What types of unanticipated maintenance activity could indicate a need to review a remedy selection?



Major Issue 2 (continued)

Disposal Cell

- Routine maintenance
 - Vegetation control on disposal cell cover and in the buffer zone
 - Disposal cell ramp
 - Sign replacement
- Non-routine maintenance
 - Repair erosion at Chemical Plant or quarry
 - Repair leachate collection-and-removal system data recorders
 - Disposal cell settlement or rock degradation



Major Issue 2 (continued)

Institutional Controls (ICs)

- IC review activities to be conducted annually
 - IC areas will be visually inspected
 - Agencies associated with each IC will be contacted and issues discussed
 - IC documentation will be reviewed at St. Charles County government offices as appropriate
 - Interpretive Center annual usage summary report will be prepared



Major Issue 2 (continued)

5-Year Reviews

- CERCLA requirement to evaluate remedy protectiveness
- Will include information contained in the annual inspection reports
- Will adhere to current EPA guidance
- The next 5-year review will be completed in 2006



Response to Focus Area Session Input

- Input from Focus Area sessions will be recorded but specific responses will not be developed after each session. However, responses will be adopted and included either in the revised draft Long-Term Stewardship Plan or in a response summary that will identify why the comment is not being adopted. If a response summary is prepared, it will be distributed with the revised draft Long-Term Stewardship Plan.

Timetable

September 10, 2002	Comments due on draft Long-Term Stewardship Plan for the Weldon Spring Site
October 10, 2002	Responses to comments posted on Internet at www.gjo.doe.gov/programs/ltsm/maps/mo-i.htm and mailed to requesters
October 23, 2002	Focus Area Work Session: Communication and Public Participation
December 5, 2002	Focus Area Work Session: Land Use and Institutional Controls and Homeland Security
January 30, 2003	Weldon Spring LTSM Program website <ul style="list-style-type: none">– On-line viewing of all site documents listed in the Weldon Spring Long-Term Stewardship Plan and key documents contained in the completed Administrative Records– On-line viewing of historical water-quality and water-level data for existing wells
February 5, 2003	Focus Area Work Session: Monitoring and Maintenance
May 2003	Issue revised draft Long-Term Stewardship Plan
June 2003	Issue draft Proposed Plan for the Ground Water Operable Unit
Fiscal Year 2003	Add key Weldon Spring documents to the LTSM Program website



Points of Contact

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